

Prof. Cope exhibited a roughly mounted fossil under jaw of a large extinct mammal obtained by himself in Colorado, in 1873, and described its peculiarities and classical value, as well as the difficult circumstances in which it was secured.

Pending nominations Nos. 852 and 853 were read, and the meeting was adjourned.

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*Stated Meeting, Feb. 15, 1878.*

Present, 14 members.

Vice-President, Mr. FRALEY, in the Chair.

Letters of acknowledgment were received from the R. Society at Upsal, Oct. 15 (96, 98); Phys. Society, Berlin, June 3, '77 (92 to 95, and XV, ii); R. I. Academy, Vienna, Feb. 22, '77 (92 to 95 and 97); Nat. Hist. Society at Emden, Nov. 7, '77 (92, 92, 96 to 99); Royal Society, London (99).

Letters of envoy were received from the Central Observatory at St. Petersburg, Jan., 1878; Royal Society at Upsal, Oct. 15, 1877; Physical Society, Berlin, June 3, '77; Royal Academy, Vienna, Aug. 7, '77; Swiss Society at Berne, Sept., '77; Meteorological Office, London, Jan., 1878; and the Office of the Chief of U. S. Engineers, Washington, D. C., Feb. 11, 1878.

Donations for the library were received from the Academies at Vienna, Berlin and Brussels; the Royal Society of New South Wales; Physical Observatory, at St. Petersburg; Royal Societies at Upsal, Copenhagen and London; M. Joachim Barrande of Prag; Dr. Giebel of Halle; Physical Society at Berlin; Societies at Emden, Görlitz, Ulm, St. Gall, and Basel; M. Henri de Saussure; the Geographical Society and *Revue Politique*, at Paris; the Commercial Geographical Society of Bordeaux; the Linnean and Astronomical Societies, Victoria Institute, Society of Arts, and London Nature; the Royal Observatory at Greenwich; the Lords of Admiralty; Dr. Humphrey Lloyd; Nova Scotia Institute, at Halifax; Franklin Institute, Penn Monthly, College of Pharmacy, Medical News; Smithsonian Institution; Chief

of U. S. Engineers; Signal Service Office; Librarian of Congress, and Dr. Geo. Engelmann, of St. Louis.

Mr. Lesley communicated part of a letter from Mr. Leo. Lesquereux, of Columbus, Palæobotanist of the Geological Survey of Pennsylvania, relating a discovery by Mr. Mansfield, in his coal mines near Darlington, Beaver Co. Pa. of the flowers and leaves attached to the stems of *Cordaïtes*.

“Sternberg in 1835 first found a stem with leaves attached; on which specimen, Corda in 1845 made his celebrated analysis of *Flabellaria borassifolia*. One other specimen was found by Lesquereux, near Pottsville, in 1858. Recently Grand'Eury's discoveries have enabled him to publish last fall his splendid monograph of the *Cordaïtes* in his Carboniferous Flora. Mr. Mansfield has now obtained a splendid series of branches with leaves, and even with leaves and flowers, representing in well defined characters numerous species, and a new section of this family unknown to Grand'Eury; so that we now have not only the types of the French author, but other and some new ones far more clearly illustrating the relation of this remarkable group.”

Mr. Lesley proposed to read Mr. Lesquereux's descriptions of his new forms (represented on nine plates, now being drawn on stone) at the next meeting.

Mr. Lesley exhibited what appears to be an *Orthoceras* cast in a matrix of schist, lent for examination by Dr. Chas. H. Stubbs to Prof. Frazer, Assistant in charge of the Survey of Lancaster County, said to have been found at Frazer's Point, on the Susquehanna one mile south of the Maryland State line.

Dr. Cresson exhibited specimens of large moths: 1. *Samia Cecropia*, native, feeding on oak leaves; 2. *Samia cynthia*, male and female, from China, feeding on *Ailanthus* leaves; 3. *Actia luna*, green moth, feeding on the cucumber tree—with their cocoons—prepared by Dr. Samuel Chamberlain, who proposes to introduce the *general* culture of these moths for the purpose of establishing a home manufacture of silk.

The minutes of the last meeting of the Board of Officers were read.

Pending nominations 852 and 853 were read.

Mr. Fraley reported the receipt of the last interest on the Michaux Legacy, due Jan. 1, 1878.

And the Society was adjourned.